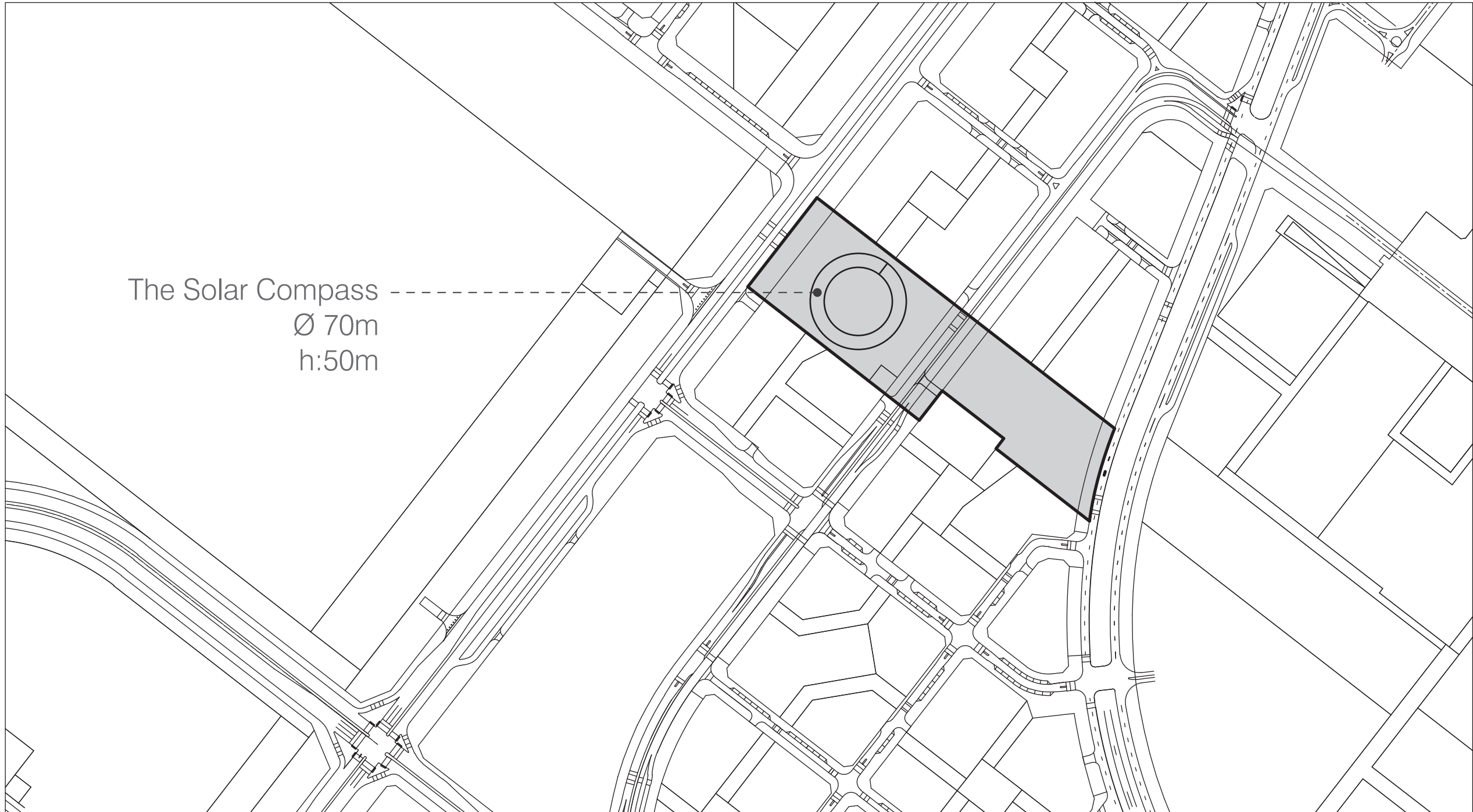
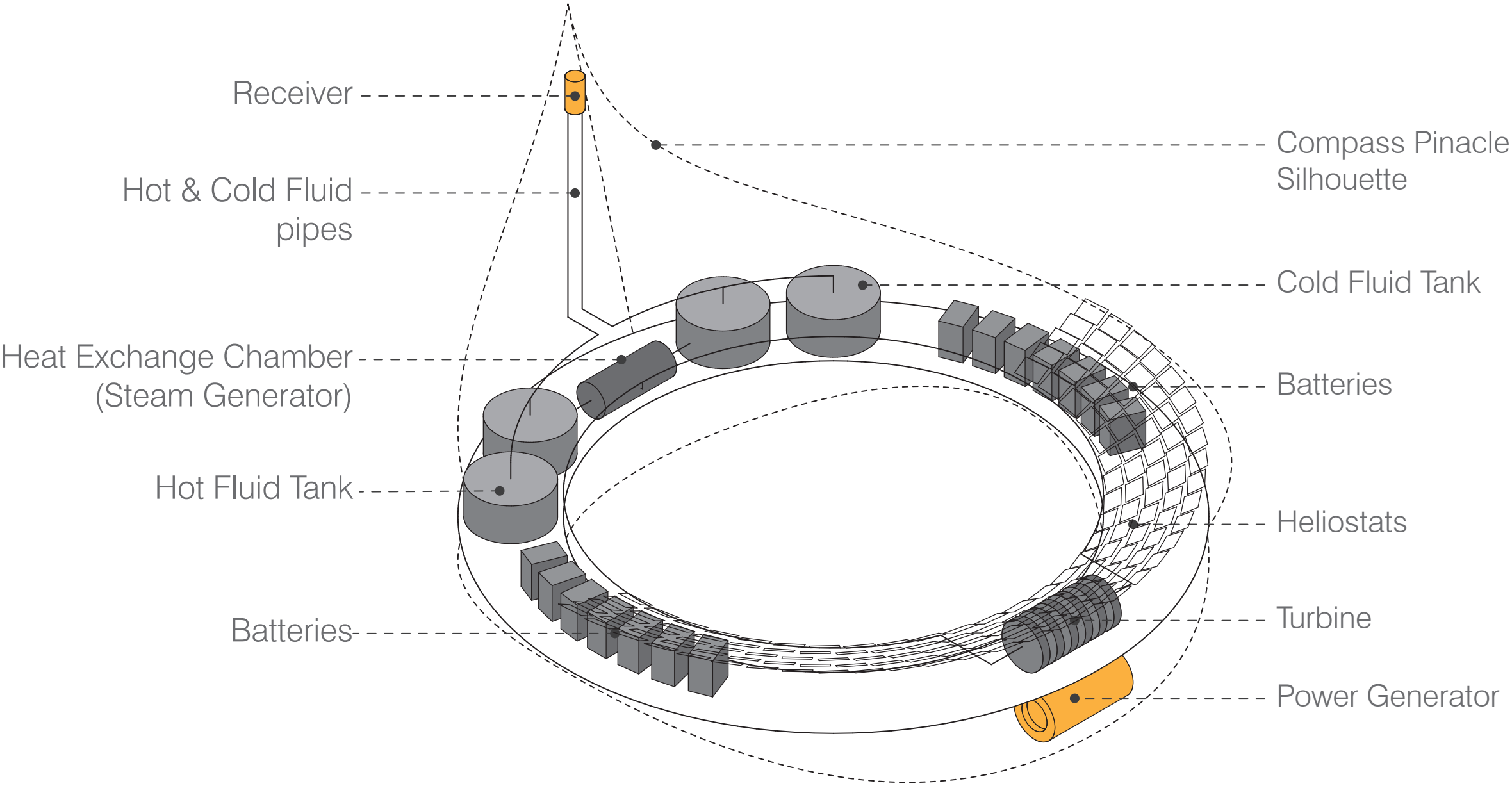


THE SOLAR COMPASS



Solar tower plant scheme:



Scheme Description:

The Solar Compass uses a proven technology to produce roughly 3000kW through a polar array of flat heliostats that concentrate solar heat onto a receiver located on top of the compass' needle (pinnacle).

The heat transfer fluid is therefore heated to temperatures over 600° C. The HTC is later transferred to a heat exchanger chamber in which water is transformed to steam that runs a turbine generator.

As a concentrated solar power plant that employs molten salt as a HTF, the Compass should account for a 30% capacity factor, and with a diameter of 70m, the 1120sqm polar array of heliostats would concentrate enough heat to produce roughly 3000kw, which would be enough electricity to power over 400 homes.